

Figure 2. Index map of Upper Cook Inlet showing study area and locations of communities in the Anchorage vicinity, the major population center of Alaska. Knik Arm and Turnagain Arm are estuaries at the head of Cook Inlet.

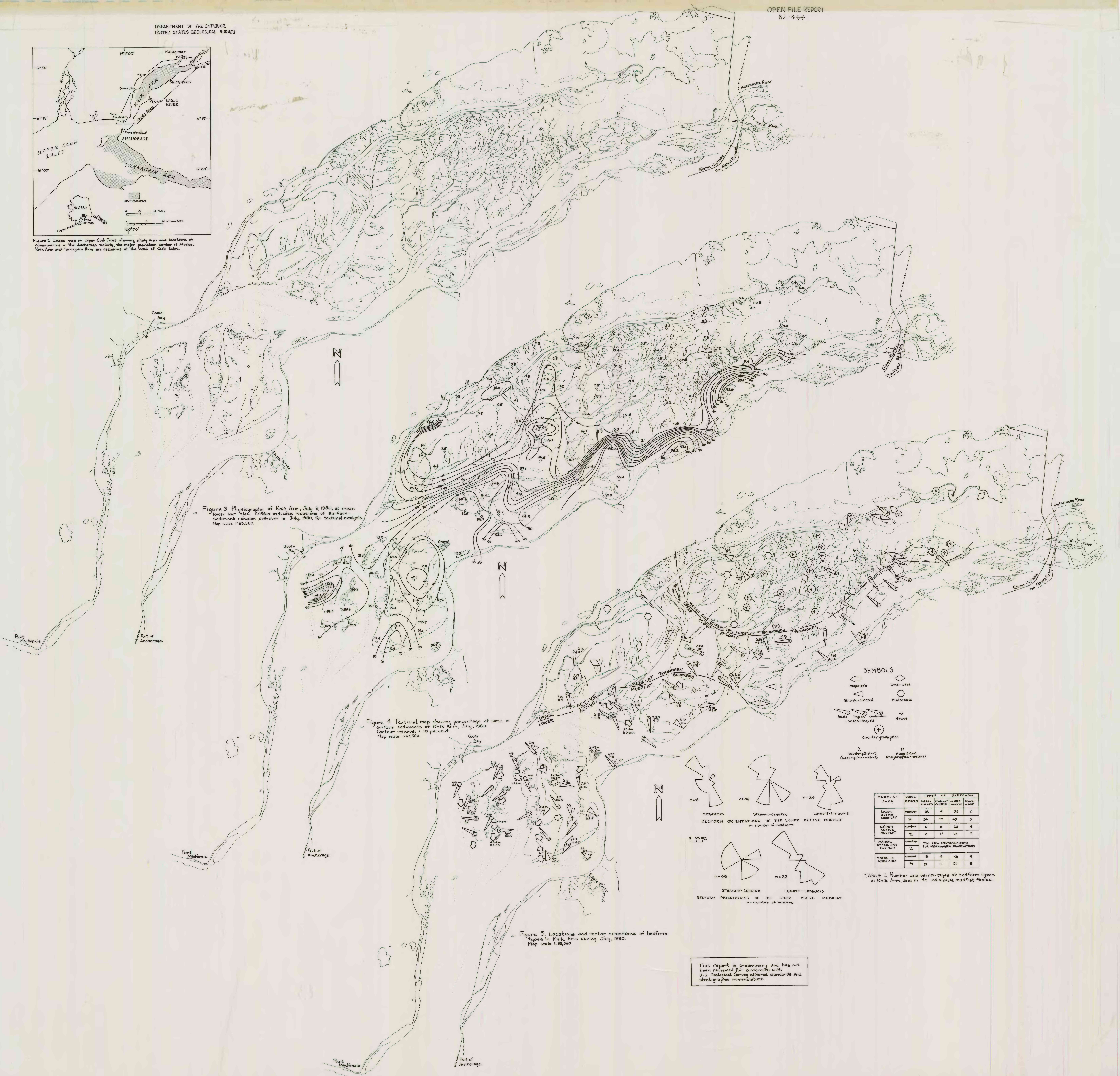


Figure 3. Physiography of Knik Arm, July 9, 1980, at mean lower low tide. Circles indicate locations of surface sediment samples collected in July, 1980, for textural analysis. Map scale 1:63,360.

Figure 4. Textural map showing percentage of sand in surface sediments of Knik Arm, July, 1980. Contour interval = 10 percent. Map scale 1:63,360.

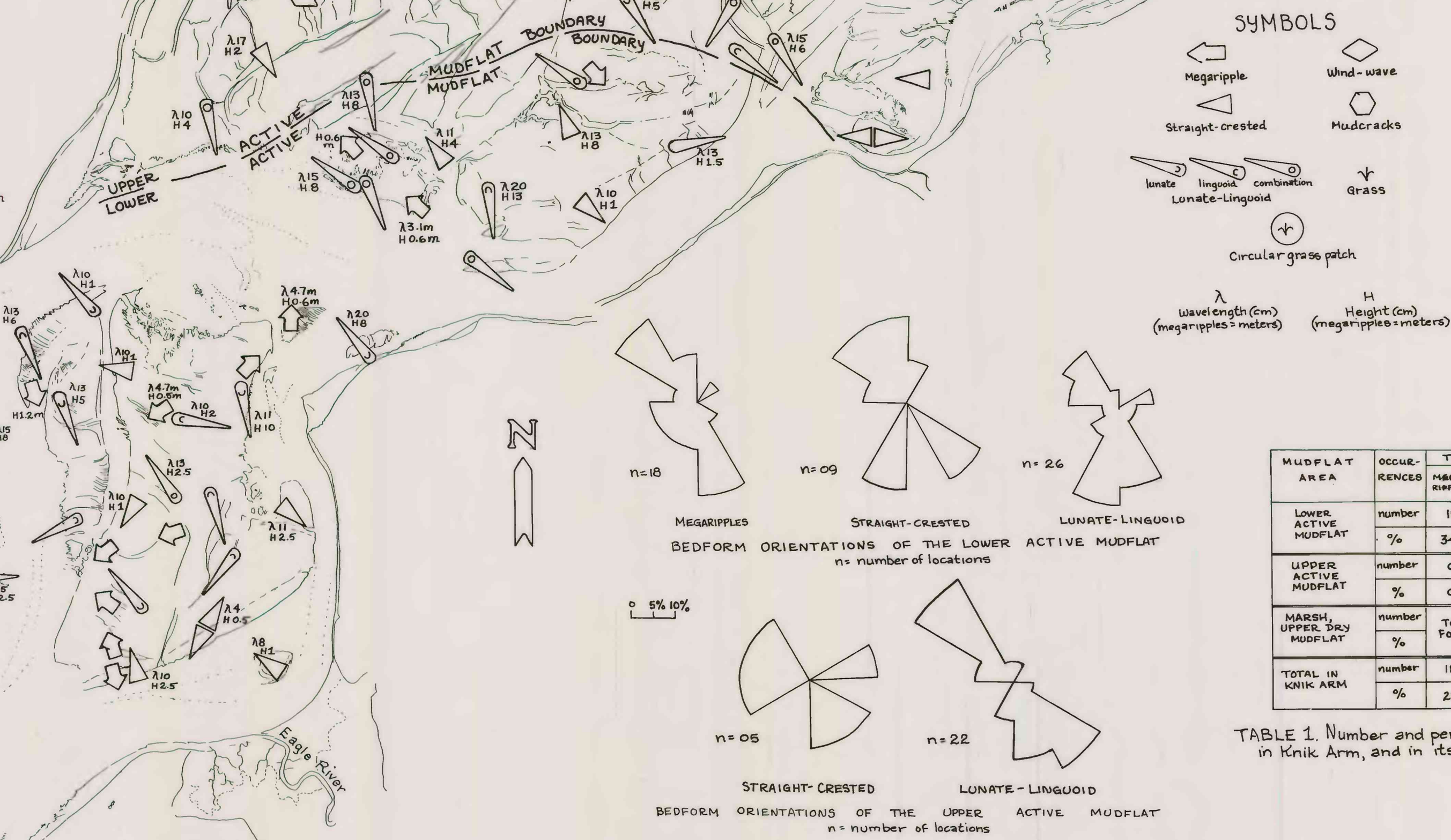
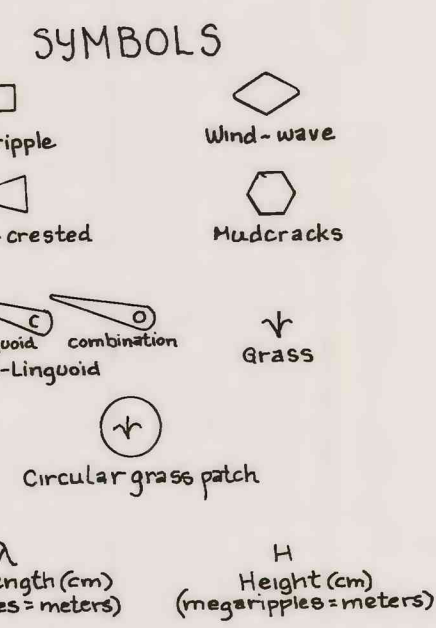


Figure 5. Locations and vector directions of bedform types in Knik Arm during July, 1980. Map scale 1:63,360.



| MUDFLAT AREA | NUMBER | PERCENT | STRAIGHT-CRESTED | LUNATE-LINGUOID | WIND-WAVE |
|---------------------------|--------|---------|------------------|-----------------|-----------|
| LOWER ACTIVE MUDFLAT | 10 | 34 | 17 | 49 | 0 |
| UPPER ACTIVE MUDFLAT | 0 | 5 | 22 | 4 | 0 |
| MARSH, UPPER, SLO MUDFLAT | 0 | 17 | 76 | 7 | 0 |
| TOTAL IN KNIK ARM | 10 | 56 | 95 | 60 | 0 |

TABLE 1. Number and percentages of bedform types in Knik Arm, and in its individual mudflat facies.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.